

FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

Memo

To: Bob Aston and Bill Ferguson
From: Jeff Ogden
CC: Ken Foltz, Russ Peters, Joel Zirkle
Date: May 2, 2014
Re: Area of Contamination

Gentlemen,

In response to our recent discussion regarding the need to define the area of contamination, this Memo with supporting figure has been prepared to address this need.

Consistent with the USEPA Memorandum dated March 13, 1996, regarding the Use of the Area of Contamination (AOC) Concept During RCRA Cleanups, we have defined the area of contamination to be used during this phase of the pilot testing. Generally, this area is restricted to a little more than 1.5 acres of the entire regulated site (please see attached Figure 9). Throughout this area of contamination, the intent is to enable stockpiling and placement upon concrete, with subsequent covering using visqueen or similar. This activity is needed to address shallow soil of dispersed contamination, such that deeper soils may be accessed using in-situ soil mixing. Once the deeper soils have been treated, all stockpiled materials will be placed back into the treatment zone and sufficiently mixed with the oxidant to mineralize the contaminants to innocuous end products.

Your review and approval of this material is requested. I will be available by phone to discuss this or any other concern. You may contact me at the office at (815) 235-7643.

Sincerely,

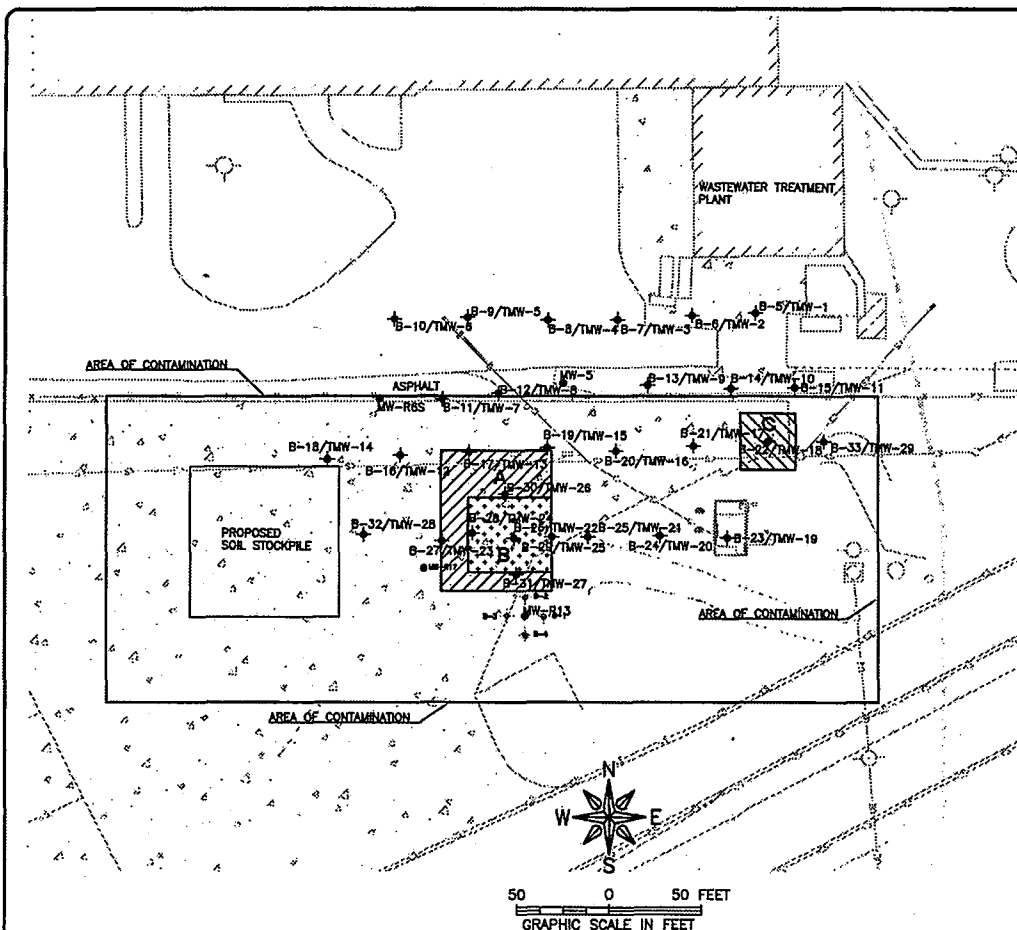
Jeff Ogden, P.G.
Senior Hydrogeologist

Attachment: Figure 9 - Area of Contamination Map

RCRA



530777



GENERAL NOTES

MINIMUM DEPTH FOR TREATMENT OF AREAS A, B AND C IS 18 FT. BELOW GRADE.

SUMMARY OF QUANTITIES

66,120 LBS. OF KLOZUR® SODIUM PERSULFATE WILL BE DELIVERED TO SITE.

105,300 LBS. OF 25% BY WEIGHT SODIUM HYDROXIDE WILL BE DELIVERED TO SITE.

223,686 LBS. OF POTABLE WATER WILL BE DELIVERED TO SITE.

LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- ✦ SOIL BORING
- ✦ SOIL BORING/ TEMPORARY MONITORING WELL

FIGURE 9
AREA OF CONTAMINATION MAP
SAUER-DANFOSS FACILITY
2800 E. 13th STREET
AMES, IOWA

04/03/14

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